

VINBERG, G.G.; LESHINA, A.V.; VASILL'YEVA, V.

Materials on primary production of plankton in ponds of the "Volma"  
Fish Farm. Trudy Biol. sta. na oz. Maroch' no.1:23-36 '58.  
(MIRA 12:7)

(Minsk Province--Fish ponds)  
(Plankton)

VASIL'YEVA, V., inzh.

Electron tubes. Radio no. 8142-44 Ag '62.  
(Electron tubes)

(MIRA 15:8)

POGORELOV, G.; TROITSKIY, N.; IVARENKO, I.; VASIL'YEVA, V.; VIKHROV, P.

Old shortcomings in the new equipment. Okhr. truda i sots.  
strakh. no.12:29-30 D '59. (MIRA 13:4)

1. Tekhnicheskiye inspektora Moskovskogo oblastnogo soveta  
profsoyuzov.  
(Moscow--Textile industry--Hygienic aspects)

VAKHILY V., V.

Africa - Social Conditions

Nations of Africa in fight for peace and freedom. Vop. ekon. No. 1, Ja '52.

Monthly List of Russian Accessions, Library of Congress, March 1952. Unclassified.

VASIL' YEVÀ, V.

Decline of the imperialistic colonial system. Vop.ekon. no.4;  
102-117 Ap '56. (MLRA 9:8)  
(Colonies)

VASIL'YEVA, V.

"Peoples of Africa." Reviewed by V. Vasil'eva. Vop.ekon.no.1:140-143  
'57. (MLRA 10:3)  
(Africa--Native races)

1. VASIL'YEV, V.
2. USSR (600)
4. Red Cross - Vladivostok
7. The best in Vladivostok, Sov. kras. krest. 3, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

DRUYAN, Ya., kandidat ekonomicheskikh nauk; SUKHOTIN, M.; VASIL'YEVA, V.

Organizing freight haulage along the most effective routes. Avt.  
transp. 35 no.8:8-9 Ag '57. (MLRA 10:9)

1. Leningradskiy filial Nauchno-issledovatel'skogo instituta  
avtomobil'nogo transporta i Leningradskiy trest tsentralizovan-  
nykh perevozok.

(Transportation, Automotive)

GROSSMAN, L.; VASIL'YEVA, V.

Production index and method of distributing the production among  
shifts in copper smelting plants. Sots. trud 5 no.9:135-136 8  
'60. (MIRA 13:10)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut  
mednoy promyshlennosti.  
(Ural Mountain Region—Copper industry)

TSYGANOV, L., inzh.; VASIL'YEVA, V., inzh.

Electron tubes. Radio no. 7:30-35 J1 '62. (MIRA 16:6)

(Electron tubes)

VASIL' YEVH. V-H

ca

11G

### *Effect of gibberellin on the growth of*

The effect of riboflavin on the growth of abdominal typhoid bacteria. V. A. Vasile'eva, Z. Mikhrobov, Epidemiol. Immunofizichesk. (U.S.S.R.) 1941, No. 9, 13. On a synthetic medium contg. asparagine 0.2, glucose 0.5 and NaCl 0.5%, inoculate 200 abdominal typhoid bacteria (prep. the suspension by dilg. a standard emulsion) in test tubes with riboflavin solns., place the test tubes into the thermostat for a definite time, then det. the quant. of growth of the bacteria. A suppression of the growth of the bacteria was observed (as compared with controls) in  $4 \times 10^{-1} - 2 \times 10^{-1}$  solns. of riboflavin. The stimulating effect was observed only on decreasing the concn. to  $5 \times 10^{-2}$ . A max. stimulation was observed at  $25 \times 10^{-1}$ , at which concn. an 87% increase of the growth was observed after 5 hrs., an 1140% increase after 24 hrs. and a 234% increase after 48 hrs. Riboflavin is recommended for rapid growth of the bacteria in bacteriol. work.

W. R. Henn

ASH-SEA METALLURGICAL LITERATURE CLASSIFICATION

ADMISSIONS

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859010009-8"

VASIL' YEVH, V.A.

GA

The effect of carotene on the growth of abdominal typhus bacteria. V. A. Vasil'eva. *Z. Mikrobiol., Epidemiol. Immunologisch. (U. S. S. R.)* 1941, No. 9, 27-8.—The

object of the expts. was to det. the stimulating effect of carotene on the growth of bacteria. The growth of abdominal typhus bacteria was investigated on ordinary broth, on broth with bile, on agar-agar and on a synthetic medium with tryptophan and asparagine after the addition of carrot carotene to the media. Cryst. carotene was prep'd according to the method of Kushko. Five-cc. portions of the carotene solns. in nutritive media were placed in test tubes and the test tubes inoculated with 10 bacterial cells of the microbe under investigation. Parallel control expts. were made. Preliminary expts. indicated that high concns. of carotene (50 mg. %) suppress the growth of microbes. Low concns. of carotene ( $10 \times 10^{-6}$ ) had a stimulating effect on the growth. In synthetic media the optimum stimulating dose ( $15 \times 10^{-6}$ ) produced a 75% increase after 24 hrs. In 100% bile, carotene had either no effect or its effect was very small. Similar results were obtained on inoculating citrate blood or broth with bile for the purpose of obtaining the hemoculture of the organism. Carotene can be used as a stimulating agent for the growth of abdominal typhus organisms for practical purposes. It accelerates the diagnosis of the disease, increases the yield of the bacterial mass in the production of vaccines, etc.

W. R. Henn

AMERICAN METALLURGICAL LITERATURE CLASSIFICATION

www.english-test.net

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001859010009-8"

DORTMAN, Nina Boris'evna; VASIL'YEVA, Valentina  
Ivanovna; VLYNBURG, A. K.; ZUBOVICH, N.Ya., ent'AKH, N.V.;  
ZOTOVA, I.P.; IL'YEV, N.G.; KIRILOV, V.Ya.; KHOREVA, S.Ya.;  
SHOJIC, L.Ye.; G. PEYKVA, G.M., red.; KAMYKOV, I.A.,  
ved. red.

[Physical properties of rocks and minerals in the U.S.S.R.]  
Fizicheskie svoistva gornykh porod i pochvennykh iskopaemykh  
SSSR. Nedra, Moskva, 1962. 328 p. (MIRA 14.1)

1. Leningrad. Vsesoyuznyy geologicheskiy institut.

VASIL'YEVA, V.A. (Leningrad, Lesnoy pro., 37, kv.463)

Polysaccharides in the epithelium of the cornea and mucous membrane of the eye in embryogenesis. Arkh. anat. gist. i embr. 41 no.12:30-33 D '61. (MIRA 15:3)

1. Kafedra gistologii i embriologii (zav. - prof. N.I. Grigor'yev)  
Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.  
(POLYSACCHARIDES) (CORNEA)  
(EYE) (EPITHELIUM)

TSIRLIN, Yu.A.; VASIL'YEVA, V.A.

Vapor-liquid equilibrium in the binary mixture water-acetic acid  
in case of increased pressure. Gidroliz.i lesokhim.prom. 15  
no.6:ll-13 '62. (MIRA 15:9)

1. Nauchno-issledovatel'skiy institut gidroliznoy i  
sul'fitnospirtovoy promyshlennosti.  
(Vapor-liquid equilibrium)

VASIL'YEVA, V.A.

Reactivity of the corneal epithelium in superficial injury. Trudy  
LSGMI 16:116-129 '53. (MIRA 10:8)

1. Kafedra histologii i embriologii Leningradskogo sanitarno-  
gigiyenicheskogo meditsinskogo instituta (zav. kafedroy prof.  
S.I.Shchelkunov)

(WOUNDS AND INJURIES, experimental,  
cornea, protective role & reactivity of epithelium in  
superficial inj.)

(EPITHELIUM,  
corneal, protective role & reactivity in exper.superficial  
inj.)

(CORNEA, wounds and injuries,  
exper., protective role & reactivity of epithelium)

VASIL'YEVA, V.A.

Regenerative capacity of a small section of corneal epithelium.  
Trudy LSGMI 16:130-141 '53. (MLR4 10:8)

1. Kafedra histologii i embriologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy prof. S.I.Shchelkunov)

(CORNEA, physiology,  
regen. of small sections of rat epithelium)

(EPITHELIUM,

corneal, regen. of small sections)

(REGENERATION,  
corneal epithelium, small sections)

VASIL'YEVA, V.A.

Replacement of the corneal epithelium by the conjunctival epithelium in experimental conditions. Trudy ISGMI 16:142-150 '53. (MIRA 10:8)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-gigienicheskogo meditsinskogo instituta (sav. kafedroy prof. S.I.Shchelkunov)

(EPITHELIUM,

corneal, eff. of excis. on growth of conjunctival epithelium into damage areas)

(CONJUNCTIVA, physiology,

eff. of excis. of corneal epithelium on growth of conjunctival epithelium into damaged areas)

(REGENERATION,

conjunctival epithelium, growth into damaged areas after excis. of corneal epithelium)

(CORNEA, physiology,

eff. of excis. of epithelium on growth of conjunctival epithelium into damaged areas)

VASIL'YEVA, V.A.

Certain characteristics of growth of the corneal epithelium.  
Arkh. anat. gist. i embr. 32 no.2:20-26 Ap-Je '55. (MLRA 9:1)

1. Iz kafedry histologii (zav.-chlen.-korr. AMN SSSR prof. S.I. Shchalkunov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.  
(CORNEA, anatomy and histology, epithelium, growth)

VASIL'YEVA, V.A.

Development of human corneal epithelium in embryogenesis [with  
summary in English]. Arkh.anat.gist. i embr. 34 no.6:59-63 B-D '57.  
(MIRA 11:3)

1. Kafedra gistollogii s embriologiyey (zav.-chlen-korrespondent  
AMN SSSR prof. S.I.Shchelkunov) Leningradskogo sanitarno-gigiyenicheskogo  
meditsinskogo instituta. Adres avtora: Leningrad, Leningradskiy  
sanitarno-gigiyenicheskiy institut, kafedra gistollogii.

(CORNEA, embryol.

epithelial develop., histol.)

(EPITHELIUM, embryol.

corneal, histol.)

ROZINA, G.Yu.; ZARZHEVSKIY, M.Ya.; VASIL'YEVA, V.A.

Ways to improve the working conditions in the production of  
silicon rubber. Kauch. i rez. 24 no.2:38-39 F '65.

(MIRA 18:4)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gigiyeny  
truda i professional'nykh zabolеваний, Leningrad.

VASIL'YEVA, V.A. (Leningrad, K-100, Lesnoy prospekt, 37, kv.463)

Some histochemical changes in the epithelium of the cornea and  
conjunctiva of the human eye during embryogenesis. Arkh. anat.,  
gist. i embr. 44 no.6:62-66 Je '63. (MIRA 17:7)

1. Kafedra gistologii i embriologii (zav. - prof. N.I. Grigor'yev)  
Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

SHCHELKUNOV, S. I.; VASIL'Yeva, V. A.; GORELICK, T. F.

"O osobennostyakh embriogeneza cheloveka."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.

PUGIN, A.I., kand.tekhn.nauk; VASIL'YEVA, V.A., kand.tekhn.nauk

Heating of disk billets for rolling spherical bottoms of tanks. Vest,  
mashinostr. 43 no.11:70-74 N '63. (MIRA 17:2)

TOROPOV, N.A.; VASIL'YEVA, V.A.

Phase relations in the system scandium oxide - aluminum oxide.  
Dokl. AN SSSR 152. no.6:1379-1382 O '63. (MIRA 16:11)

1. Institut khimii silikatov AN SSSR. 2. Chlen-korrespondent  
AN SSSR (for Toropov).

TOROPOV, N.A.; VASIL'YEVA, V.A.

Phase diagram of the binary system scandium oxide - silica.  
Zhur. neorg. khim. 7 no.8:1938-1945 Ag '62. (MIRA 16:6)

(Scandium oxide) (Silica)

TSEFT, A.L.; TARASKIN, D.A.; YERMILOV, V.V.; TKACHENKO, O.B.;  
VASIL'YEVA, V.A.; SUSHCHENKO, S.N.; DUKHANKINA, L.S.

Hydrometallurgical treatment of copper matte. Trudy Inst.  
met. i obog. AN Kazakh. SSR 5:72-76 '62. (MIRA 15:11)  
(Copper—Metallurgy) (Hydrometallurgy)

TOROPOV, N.A.; VASIL'YEVA, V.A.

Synthetic scandium silicates. Kristallografiia 6 no.6:962-  
972 N-D '61. (MIRA 14:12)

1. Institut khimii silikatov AN SSSR.  
(Scandium silicates)  
(Crystallography)

VASIL'YEVA, V.A.

Histogenesis and reactivity of the epithelium of the cornea  
in embryogenesis. Arkh. anat., gist. i embr. 42 no.6:64-70  
(MIRA 15:6)  
Je '62.

1. Kafedra gistologii i embriologii (zav. - prof. N.I.  
Grigor'yev) Leningradskogo sanitarno-gigiyenicheskogo  
meditsinskogo instituta. Adres avtora: Leningrad, ul.  
Kurakina, 1/3, Leningradskiy sanitarno-gigiyenicheskiy  
meditsinskiy institut.

(CORNEA)  
(EPITHELIUM)

TSIRLIN, Yu.A.; VASIL'YEVA, V.A.; KUZNETSOVA, G.S.

Chemical purification of sewage containing furfurole. Gidroliz.  
i lseokhim. prom. 14 no.7:15-16 '61. (MIRA 14:11)

1. Nauchno-issledovatel'skiy institut gidroliznoy i sul'fitno-  
spiritovoy promyshlennosti.  
(Sewage--Purification)  
(Furaldehyde)

VASIL'YEVA, V.A.

Disturbance in the tempo of motor-sensory reactions in patients with cerebrovascular diseases. Trudy Gos. nauchno-issl. inst. psikh. inst. psikh. 22:337-354 '60. (MIA 15:1)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova, kafedra psikhologii (zav. kafedroy- prof. A.N.Leont'yev) i klinika sosudistykh psikhozov (zav. klinikoy - prof. V.M.Banshchikov) i psikhologicheskaya laboratoriya (zav. laboratoriyy - kand.biologicheskikh nauk B.V.Zeygarnik) Gosudarstvennogo nauchno-issledovatel'skogo instituta psichiatrii Ministerstva zdravookhraneniya RSFSR.  
(CEREBROVASCULAR DISEASE) (MOVEMENT (PHYSIOLOGY))

TSEFT, A.L.; VASIL'IEVA, V.A.; MILYUTINA, N.A.

Leaching of mixed Dzhezkazgan ores by solutions of sulfuric acid  
containing salts of trivalent iron. Report no.2. Izv.AN Kazakh.  
SSR.Ser.met., obog.i ogneup. no.2:73-84 '63. (MIRA 14:8)  
(Dzhezkazgan—Copper ores) (Leaching)

TSEFT, A.L.; MILYUTINA, N.A.; VASIL'YEVA, V.A.

Leaching of mixed Dzhezkazgan ores by chloride solutions. Izv.  
AN Kazakh SSR Ser. met., obog. i ogneup. no. 2:64-72 '61.

(Dzhezkazgan--Copper ores) (Leaching) (MIRA 14:8)

15.2220

30176

S/070/61/006/006/008/008  
E132/E135

AUTHORS: Toropov, N.A., and Vasil'yeva, V.A.

TITLE: Synthetic scandium silicates

PERIODICAL: Kristallografiya, v 6, no.6, 1961, 968-972 + 1 plate

TEXT: Mg and Sc often form isomorphous silicates but the behaviour of the systems scandia/silica and magnesia/silica is quite different. The phase diagram of the  $Sc_2O_3/SiO_2$  system has been mapped (Fig.3). X-ray powder data are given for the compounds  $Sc_2O_3 \cdot SiO_2$ ,  $Sc_2O_3$ ,  $2Sc_2O_3 \cdot 3SiO_2$  and  $Sc_2O_3 \cdot 2SiO_2$  which occur. At the high silica end of the composition range two immiscible liquids are found,  $\gamma_1$  and  $\gamma_2$ . Refractive indices were measured for the scandium silicates:

$Sc_2O(SiO_4)$ : m.p.  $1950^\circ$ , 2V small, r.i. 1.850, 1.835 +ve.  
 $d_{obs.} = 3.490$ .

$Sc_2Si_2O_7$ : m.p.  $1860^\circ$ , biaxial -ve. r.i. 1.807, 1.785, 1.754.  
 $d_{obs.} = 3.390$ .

Efforts were made to crystallise the compounds studied, but

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Synthetic scandium silicates

30176  
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without success. N.V. Belov, V.V. Shcherbina, V.I. Lebedev and F.Ya. Galakhov are mentioned in the article for their contributions in silicate chemistry.

There are 3 figures, 1 table and 8 references: 6 Soviet-bloc and the following two English language references:

Ref.3: J.P. Marbel, J.J. Glass, Amer. Mineralogist, Vol.27(10), 696-698, 1942.

Ref.8: E. Levin, S. Block. J. Amer. Ceram. Soc., Vol.41, 2, 1958.

ASSOCIATION: Institut khimii silikatov  
(Institute for Silicate Chemistry)

SUBMITTED: June 8, 1961

Card 2/2

VASILL'YEVA, V.A. (Leningrad, Lesnoy prospekt 37, kv. 463.)

Formation of the nervous apparatus of the human sclera in  
embryogenesis. Arkh anat. gist i embri. 38 no. 6:12-16 Je '60.  
(MIRA 13:12)

1. Kafedra gistolologii i embriologii (zav. - prof. N.I. Grigor'yev)  
Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.  
(SCLERA—INNERVATION)

YAKOVLEV, M. F.; VASIL'YEVA, V. A.; VIKHROV, P. P.; IVANENKO, I. P.;  
POGORELOV, G. I.; TROITSKIY, N. L.

General inspection of the work organization level in  
factories. Tekst.prom. 20 no.6:51-53 Je '60.  
(MIRA 13:7)

1. Nachal'nik podotdela organizatsii truda Mosoblsovarkhosa  
(for Yakovlev). 2. Tekhnicheskiye inspektora Moskovskogo  
otdeleniya soveta profsoyuzov pri obkome profsoyuza rabochikh  
tekstil'noy i legkoy promyshlennosti (for all except  
Yakovlev).

(Moscow Province—Textile factories)

USSR/Microbiology - Microbes Pathogenic for Man and Animals.  
Bacteria. Mycobacteria.

F

Abs Jour : Ref Zhur Biol., № 22, 1958, 99510

Author : Ishunina, T.I., Vasil'yeva, V.A.

Inst : Institute of Experimental Medicine of the Academy of Sciences, LatvSSR

Title : Effect of Paraaminobenzoic Acid Upon the Immunizing Properties of the Vaccine ECG

Orig Pub : Tr. In-ta eksperim. med. AN Latv SSR, 1957, 15, 17-34

Abstract : Guinea pigs were vaccinated subcutaneously with 1 mg (10,000,000 microbial bodies)-of dry vaccine ECG. Beginning with the 1st day following the vaccination, the animals were injected intramuscularly for a period of three weeks, daily, with 1 ml of 0.1% solution of paraaminobenzoic acid (PABA) or Norsulfazol

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USSR/Microbiology - Microbes Pathogenic for Man and Animals.  
Bacteria. Mycobacteria.

F

Abs Jour : Ref Zhur Biol., No 22, 1958, 99510

(0.04 mg in 3 doses, orally, in the form of a suspension in 2 ml of milk). Within 57 days following the vaccination, the experimental and control animals were infected subcutaneously with 1 mg of virulent tubercle bacilli. The animals were killed within 6 $\frac{1}{2}$  months and the index of tuberculous lesions of the lymphatic nodes and internal organs was established. It was demonstrated that the injection of PABA into the organism of the guinea pigs during the period of vaccination with BCG favors an earlier development of tuberculous allergy and a more intensively manifested intracutaneous tuberculin reaction. A more marked acquired resistance to tuberculosis was observed in these guinea pigs. -- G.Ye. Frunkina

Card 2/2

SOV/185-59-10-7/23

18(5)

**AUTHORS:** Rykalin, N.N., Corresponding Member of the AS USSR, Pugin, A.I., and Vasil'yeva, V.A., Candidates of Technical Sciences

**TITLE:** Heating and Cooling Studs During Butt welding by Friction

**PERIODICAL:** Svarochnoye proizvodstvo, 1959, Nr 10, pp 15-18 (USSR)

**ABSTRACT:** The authors present a study on some regularities of the heating process by friction of round studs with equal diameters during butt welding. When heating by friction, the heat source is concentrated within a thin layer, fitting close to the end of the friction stud (Fig.1). The specific power  $q_2$  cal/cm<sup>2</sup> sec. in point A (Fig.1v) is equivalent to the rotational power at a given point:  $q_2 = Mfvp$ , (2), where  $M = 2,34 \cdot 10^{-2}$  cal/kgcm, that is the thermic equivalent of mechanical work. The complete thermic rotation power is expressed by the equation:

$$q = \int_0^{d/2} q_2(r) 2\pi r dr = M \frac{\pi^2 n}{15} \int_0^{d/2} f(r)p(r)r^2 dr. \quad (3)$$

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SOV/135-59-10-7/23

**Heating and Cooling Studs During Butt welding by Friction**

For calculation of the heating process, the following assumptions are made: The power of the rotation source,  $q$  cal/sec, is considered as constant during the heating time. The thermophysical coefficient of the material of both studs - heat conductivity  $\lambda$  cal/cm.sec °C, temperature conductivity  $a$  cm<sup>2</sup>/sec, and thermal capacity  $c$  cal/cm<sup>3</sup> °C - are considered as not depending on the temperature, and their mean value within the examined temperature interval: Concerning the influence of surface heat elimination of the studs, these are considered as unlimited in length. The initial temperature is considered as zero (Celsius). The abscissa is put on the axis of the studs so that the sections at the ends form the ordinata. Time  $t$  is counted from the beginning of heating. Then the temperature  $T(x,t)$  of the studs is expressed by a proportion (N.N. Rykalin, Raschety teplovykh protsessov pri svarke (Calculations of Thermal Processes when Welding), Mashgiz, 1951). The integral in this case is expressed by the function

$$ierfc u = \int_u^{\infty} erfc u du = \frac{1}{\sqrt{\pi}} \exp(-u^2) - u erfc u; \text{ decreasing}$$

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SOV/135-59-10-7/23

Heating and Cooling Studs During Butt welding by Friction

on the positive axis from the value  $\pi^{-\frac{1}{2}} = 0.5642$  at  $u = 0$  to zero at  $u = \infty$  (Fig.4):

$$T(x,t) = \frac{q_2 \sqrt{t}}{\sqrt{\pi \lambda c f}} \operatorname{erfc} \frac{x}{2 \sqrt{at}}. \quad (6)$$

The temperature of the contact section ( $T(0,t)$ ) is expressed by the first factor of equation 6:  $T(0,t) = \frac{q_2 \sqrt{t}}{\sqrt{\pi \lambda c f}}, \quad (7)$

The temperature in the state of equalization at the end of heating during the time  $t_k$  is calculated using equation 9:

$$T(x,t) = T(x,t) - T(x,t-t_k); t \geq t_k. \quad (9)$$

For the contact section, the temperature in the process of equalization is expressed by equation 10:

$$T(0,t) = \frac{q_2}{\sqrt{\pi \lambda c f}} (\sqrt{t} - \sqrt{t - t_k}); t \geq t_k. \quad (10)$$

The temperature of the contact sections in the state of heating and in the state of cooling through a low heating temperature  $T_k$

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SOV/135-59-10-7/23

Heating and Cooling Studs During Butt welding by Friction

and its duration  $t_k$  is expressed with the help of equations 7 and 10 (Fig.8). In the state of heating:  $\frac{T(t)}{T_k} = \sqrt{\frac{t}{t_k}}$ ;  $t < t_k$ . (11)

In the state of cooling:  $\frac{T(t)}{T_k} = \sqrt{\frac{t}{t_k}} - \sqrt{\frac{t}{t_k} - 1}$ ;  $t \geq t_k$ . (12)

By introduction of the factor  $\theta$  (the proportion between  $T_k$  &  $T_n$ ) equation 15 is given for the speed of cooling  $w^0\text{C/sec}$ :

$$w(T) = \frac{T_k}{t_k} \cdot \frac{2\theta^3}{1-\theta^4}, \quad (15), \text{ by equation 13}$$

and 14 (Fig.9). There are 1 diagram and 8 graphs.

ASSOCIATION: Institut metallurgii imeni A.A. Baykova AN SSSR (Metallurgical Institute imeni A.A. Baykov, AS USSR)

Card 4/4

VASIL'YEVA, V.A. (Leningrad, Lesnoy prosp., d.37, kv.463)

Development of neural elements of the cornea in human embryogenesis. Arkh.anat.,gist. i embr. 36 no.6:20-27 Je '59.  
(MIRA 12:9)

1. Kafedra gistologii i embriologii (zav. - chlen-korrespondent  
AMN SSSR prof.S.I.Shchelkunov) Leningradskogo sanitarno-  
gigiyenicheskogo meditsinskogo instituta.  
(CORNEA, innervation,  
embryogenesis (Rus))

VASIL'YEVA, V.A.

Coalescence of the central part of the cornea following its partial separation. [with summary in English]. Trudy LSGMI 42:66-78 '58

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - chlen-korrespondent AMN SSSR, prof. S.I. Shchelkunov).

(CORNEA, physiology

coalescence of central part after partial separation (Rus))

VASIL'YEVA, V.I.

Changes in the reactivity of corneal epithelium during transplantation  
[with summary in English]. Trudy IZGMI 42:79-87 '58 (MIRA 11:12)

1. Kafedra gistolozii i embriologii Leningradskogo sanitarno-  
gigiyenicheskogo meditsinskogo instituta (sav. kafedroy - chlen-  
korrespondent AMN SSSR, prof. S.I. Shchelkunov).

(CORNEA-TRANSPLANTATION, experimental  
epithelial reactivity changes in aseptic intra-abdom.  
transpl. (Rus))

VASIL'YEVA, V.A.

Development of conjunctival epithelium in man during embryogenesis  
[with summary in English]. Trudy LSGMI 42:88-98 '58 (MJRA 11:12)

1. Kafedra gistolozii i embriologii Leningradskogo sanitarno-gigienicheskogo meditsinskogo instituta (zav. kafedroy - chlen korrespondent AMN SSSR, prof. S.I. Shchelkunov).

(CONJUNCTIVA, embryology,

epithelial embryogenesis (Rus))

(EMBRYOLOGY, HUMAN)

(EPITHELIUM)

VASIL'YEVA, V.A., kand.biol.nauk

The methylene blue leuco base method of dyeing in the diagnosis of malignant neoplasms. Vopr.klin.lich.zlok. novoobraz., Riga 1:61-63 1953.

(NEOPLASMS, diag.  
staining with methylene blue leuco base method

(STAINS AND STAINING  
methylene blue leuce base method in diag. of neoplasms

VASIL'IEVA, V.A.,kand.biol.nauk

Diagnosis of cervical cancer by dyeing vaginal smears with methylene blue leuco base. Vopr.klin. lech.zlok.novoobraz., Riga 1:1953

(CERVIX, UTERINE, neoplasms

diag., dyeing vaginal smears with methylene blue leuco base

(VAGINAL SMEARS,

diag. of cervical cancer, dyeing with methylene blue base

(STAINS, AND STAINING

methylene blue leuco base dyeing of vaginal smears in diag. of cervical cancer

ONAYEV, I.A.; ABDYEV, M.A.; YESYUTIN, V.S.; VASIL'YEVA, V.A.

Use of vacuum processes in non-ferrous metallurgy. Vest. AN Kazakh.  
SSR 14 no.1:40-47 Ja '58. (MIRA 11:2)  
(Vacuum metallurgy)

PHASE I BOOK EXPLOITATION SOV/3285

Akademiya nauk SSSR. Institut metallurgii

Teplovyye protsessy pri kontaktnoy svarke; sbornik trudov laboratorii svarki metallov (Thermal Processes in Resistance Welding; Collection of Transactions of the Laboratory for the Welding of Metals) Moscow, Izd-vo AN SSSR, 1959. 277 p. Errata slip inserted. 3,000 copies printed.

Ed.: N. N. Rykalin, Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: G. M. Makovskiy; Tech. Ed.: G. A. Astaf'yeva.

PURPOSE: This book may be of interest to engineers and researchers interested in improving the methods and machines used for resistance welding.

COVERAGE: The material is based on work conducted at the welding laboratory of the Institute of Metallurgy, Academy of Sciences, USSR, for the purpose of investigating thermal processes in resistance welding. A number of the papers present some results of theoretical and practical investigation of the butt welding of rods and the welding of crossed rods by the electric resistance method. Spot welding of sheet metal is also mentioned. Measuring and recording procedures are explained and illustrated. The majority of experiments deal with heating, heat distribution, and the flow of current in the welded part. It is

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Thermal Processes in Resistance (Cont.)

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stated that the automation of industrial processes requires improved, specialized, and automated resistance welding processes. No personalities are mentioned. There are references, both Soviet and non-Soviet, at the end of each paper.

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5-8-60

Card 6/6

SHRETER, A.I.; PIMENOV, M.G.; VASIL'YEVA, V.D.

Nomenclature, distribution, and resources of Diacores in the  
Soviet Far East. Part.res. 1 no.3:390-397 '65.

(MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy instituta lekarstvennykh  
i aromaticheskikh rasteniy, Moskva.

VASIL'YEVA, V. F.

VASIL'YEVA, V. F. "Effect of the Efferent Nerves on Kidney Function." Cand Med Sci,  
Acad Med Sci USSR, 19 Jan 54. ( Vechernaya Moskva, 8 Jan 54)

SO: SUM 168, 22 July 1954

VASIL'YEV<sup>A</sup> V. F.  
USSR/Human and Animal Physiology. Excretion

T-7

Abs Jour : Ref Zhur - Biol., No 14, 1956, No 65333

Author : Ginetsinskiy A.G., Vasil'yeva V.F.

Inst : AN USSR

Title : The Efferent Innervation of the Renal Tubules

Orig Pub : Dokl. AN SSSR, 1956, 111, No 6, 1332-1334

Abstract : In unanesthetized dogs whose ureters were separately exteriorized, epinephrine injected intravenously (in small doses) decreased the rate of urine flow without altering glomerular filtration as a result of increased reabsorption of water in the renal tubules. Electrical stimulation of the nerve fibers accompanying the renal artery in dogs with exteriorized ureters and spinal cord transections at the level of T6-T8 diminished diuresis and glomerular filtration by reducing the blood flow through the glomerular capillaries, while simultaneously increasing the reabsorption of water. The activity of the kidney is regulated, not only hormonally, but also by the impulses entering the renal parenchyma via nervous pathways.

Card : 1/1

VASIL'YEVA, V.F.

The effect of denervation on kidney function [with summary in English].  
Fiziol. zhur. 44 no.3:236-242 Mr '58. (MIRA 11:4)

1. Kafedra fiziologii Meditsinskogo instituta, Novosibirsk.  
(KIDNEYS, physiology  
funct. in dogs after exper. denervation (Rus)

GINETSINSKIY, A.G., VASIL'YEVA, V.F., ZAKS, M.G., SOKOLOVA, M.M., SOO, V.A.

Method for determining changes in elasticity of the female breast.  
Akush. i gin. 34 no.5:104-106 S-0 '58 (MIRA 11:10)

1. Iz Instituta akusherstva i ginekologii (dir. - chlen-korrespondent  
AMN SSSR P.A. Beloshapko) AMN SSSR i Institut evolyutsionnoy fiziologii  
imeni I.M. Sechenova (dir. - akad. L.A. Orbeli) AN SSSR.  
(BREAST, physiol.  
capacity furot., method of determ. (Rus))

VASIL'YEVA, V.F.

Effect of adrenaline on renal function. Fiziol. zhur. 44 no.5:  
(MIRA 11:6)  
450-454 My '58

1. Kafedra fiziologii Meditsinskogo instituta, Novosibirsk.  
(KIDNEY, effect of drugs on  
epinephrine (Rus))  
(EPINEPHRINE, effects,  
on kidney funct. (Rus))

VASIL'YEVA, V.F.; LICHKO, A.Ye.; SOKOLOVA, M.M.

Mechanism of controlling insulin coma by intravenous infusions  
of glucose. Biul.eksp.biol. i med. 48 no.9:46-50 S '59. (MIRA 13:1)

1. Iz Instituta evolyutsionnoy fiziologii imeni I.M. Sechenova  
(direktor - akademik L.A. Orbeli [deceased]) AN SSSR, Leningrad.  
Predstavlena akademiku L.A. Orbeli [deceased].

(INSULIN)

(GLUCOSE)

VASIL'YEVA, V.F.

Reaction of kidneys to adrenaline and pituitrin during the early  
postnatal period. Mat. po evol. fiziol. 4:220-223 '60.  
(MIRA 13:10)

(KIDNEYS) (ADRENALINE) (PITUITARY EXTRACT)  
(ANIMALS, INFANCY OF)

GINETSINSKIY, A.G.; VASIL'YEVA, V.F.; NATOCHIN, Yu.V.

Localization of hyaluronidase secretion in the nephron. Dokl. AN  
SSSR 141 no.2: 502-504 N '61. (MIRA 14:11)

1. Institut evolyutsionnoy fiziologii im. I.M.Schenova AN SSSR.  
Fredstavleno akademikom V.N.Chernigovskim.  
(HYALURONIDASE) (KIDNEY)

VASIL'YEVA, V.F.

Excretory function of metanephridia in Lumbricidae. Fiziol. zhur.  
(MIRA 14:5)  
47 no.3:393-397 Mr '61.

1. From the Sechenov Institute of Evolutional Physiology, Leningrad.  
(EARTHWORMS) (KIDNEYS)

GINETSINSKIY, A.G.; VASIL'YEVA, V.F.

Influence of hyaluronidase inhibitors on diuresis. Biul. eksp.  
(MIRA 15:3)  
biol. i med. 52 no.7:3-5 Jl '61.

1. Iz laboratorii evolyutsii vydelitel'nykh protsessov (zav.  
- chlen-korrespondent AMN SSSR prof. A.G. Ginetsinskiy)  
Instituta evolyutsionnoy fiziclogii imeni I.M. Sachenova  
(direktor - chlen-korrespondent AN SSSR Ye.M. Kreps) AN SSSR,  
Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR V.V.  
Parinym.

(DIURETICS AND DIURESIS)  
(HYALURONIDASE) (ASCORBIC ACID) (HEPARIN)

GINETSINSKIY, A.G. [deceased]; VASIL'YEVA, V.F.

Effect of hyaluronidase and its inhibitors on kidney function.  
Fiziol. zhur. 49 no.5:519-524 My '63.

(MIRA 17:11)

1. Institut evolyutsionnoy fiziologii imeni Sechenova AN SSSR,  
Leningrad.

VASIL'YEVA, V.F.

Role of kidneys in the regulation of acid-base equilibrium in  
sea and freshwater fishes. Zhur. evol. biokhim. i fiziol. 1  
no. 6:543-549 N-D '65 (MIRA 19:1)

1. Laboratoriya razvitiya vydelitel'noy funktsii Instituta  
evolutsionnoy fiziologii i biokhimii imeni I.M. Sechenova  
AN SSSR, Leningrad. Submitted June 30, 1965.

494

AUTHORS: Yashunskiy, V. G., and Vasilyeva, V. F.  
 TITLE: Syntheses of Cyclopentanonecarboxylic Acids (Sintezy v ryadu  
 tsiklopantanonkarbonovykh kislot)  
 PERIODICAL: Zhurnal Obshchey Khimii, 1957, Vol. 27, No. 1, pp. 273-277 (U.S.S.R.)  
 ABSTRACT: Using diethyl ether of adipic acid as a base and applying the F. Sorm  
 method (3), the authors synthesized a certain ester and condensed it  
 with ethyl ether of gamma-bromoacrylic acid. The ketodiester yield  
 was low because of apparent low activity of the bromester. It  
 became possible to attach the side chain to the ester by using  
 ethyl ether of gamma-bromo-beta-ethylacrylate in which the Br atom  
 is more mobile due to the presence of the double bond in allyl  
 position. The unsaturated ester was obtained from the reaction of  
 bromsuccinimide with ethyl ether of beta-ethylacrylate in the  
 presence of benzoyl peroxide. Condensation of both esters yielded  
 an unsaturated keto diester which by hydrogenation was converted  
 into another ester and then through saponification and esterifica-  
 tion into still another type of ester. The following stage -  
 condensation of this last ester - with cyanacetic acid in the presence  
 of potassium ethylate - produced low yields, probably because of the

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Syntheses of Cyclopentanonecarboxylic Acids

sharply reduced reactivity of the keto group of the cyclopentane ring.

The reduced activity of the keto group is explained by the presence in both alpha-carbon atoms of substitutes one of which appeared to be secondary.

There are 8 non-Slavic references.

ASSOCIATION: All-Union Scientific-Research Chemical-Pharmaceutical Institute im. S. Ordzhonikidze (Vsesoyuznyy Nauchno-Issledovatel'skiy Khimiko-Farmatsevticheskiy Institut im. S. Ordzhonikidze)

PRESENTED BY:

SUBMITTED: January 30, 1956

AVAILABLE:

Card 2/2

VASIL'YEEVA, V.Y.

Urea excretion in its high content of the blood [with summary in English]. Biol.eksp.biol. i med. 44 no.12:31-36 D '57. (MIRA 11:4)

1. Iz kafedry fiziologii (zav. - chlen-korrespondent AMN SSSR A.O. Ginetsinskiy) Novosibirskogo meditsinskogo instituta (dir. - prof. G.D.Zaleskiy). Predstavlena akademikom L.A.Orgeli.

(UREA, in blood,  
relation to urinary content in animals (Rus))

VASIL'YEVA, V.F.; YASHUNSKIY, V.G.

Sulfonation of sydnones. Khim. nauka i prom. 3 no.2:282-283 '58.  
(MIRA 11:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut im. S.Ordzhonikidze.  
(Sydnones) (Sulfonation)

5(3)

SOV/79-29-8-59/81

AUTHORS: Yashunskiy, V. G., Vasil'yeva, V. F., Tikhonova, L. I.,  
Shchukina, M. N.

TITLE: Substances With a Complex-forming Capacity. IV. Trans-1,2-di-  
aminocyclohexene- and 1-Phenylethylenediamine-N,N,N',N'-tetra-  
acetic Acids

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 8,  
pp 2709 - 2712 (USSR)

ABSTRACT: The authors previously reported on the synthesis and inves-  
tigation of the complex-forming capacities of some alicyclic  
1,2-diaminetetraacetic acids of a trans-configuration  
(Refs 1,2). In order to complement this series the compound  
(I) was synthesized. The initial product for the synthesis  
of this compound was the dimethyl ester of the cis-cyclo-  
hexene-(4)-dicarboxylic acid-1,2 obtained by the condensation  
of butadiene with the anhydride of maleic acid. When this  
cis-diester is heated with hydrazine hydrate without solvent  
the trans-dihydrazide forms (Ref 1). The latter was transformed  
according to Curtius into the dichlorohydrate of the hitherto

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Substances With a Complex-forming Capacity. IV. SOV/79-29-8-59/81  
Trans-1,2-diaminocyclohexene- and 1-Phenylethylenediamine- $N,N',N',N'$ -tetra-  
acetic Acids

unknown trans-1,2-diaminocyclohexene-(4) which was treated with an excess of chloroacetic acid in an alkaline medium which led to the compound (I). In order to investigate the influence of the substitutes on the complex-forming capacity of the complexons of the ethylenediaminetetraacetic acid series the compound (II) obtained from 1,2-diaminoethylbenzene by two different methods was synthesized (Ref 3, and Rodionov, Ref 4). The tetraacetic acid could only be synthesized by heating 1,2-diaminoethylbenzene with an excess of bromoacetic acid in the presence of caustic soda at 40°. Thus two compounds hitherto not described were synthesized: trans-1,2-diamino-cyclohexene-(4)-, and 1-phenylethylenediaminetetraacetic acid. The complex-forming capacity of the synthesized compounds was determined chromatographically (Ref 5) by way of comparison with ethylenediaminetetraacetic acid. By this method it was shown that the new complexons have a complex-forming capacity of the same order as ethylenediaminetetraacetic acid. The table shows the result of these chromatographic determinations.

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Substances With a Complex-forming Capacity. IV. SOV/79-29-8-59/81  
Trans-1,2-diaminocyclohexene- and 1-Phenylethylenediamine-N,N,N',N'-tetra-  
acetic Acids

The results of the investigation of complexon (II) show that the presence of the phenyl radical beside one of the amino groups of ethylenediaminetetraacetic acid has but little effect upon the complex-forming capacity. There are 1 table and 6 references, 5 of which are Soviet.

SUBMITTED: July 5, 1958

Card 3/3

5(3)  
AUTHORS:

Yashunskiy, V. G., Vasil'yaya, L. P., Sheynker, Yu. N.

SOV/79-29-8-60/81

TITLE:

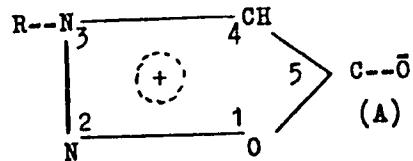
On the Aromatic Properties of Sydnone

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 8, pp 2712-2718 (USSR)

ABSTRACT:

Among the so-called mesoine compounds the sydnone are of particular interest since they are highly reactive. Of special importance is their capacity of replacing the hydrogen in position 4 (Ref 2), especially by chlorine and bromine (Refs 2, 3).



On the strength of these data it was assumed that the sydnone are of aromatic nature. In the pentacyclic ring there are totally  $7\pi$  electrons in the state  $2p_z$ ; one of them may be given to the exocyclic oxygen atom so that a certain negative charge concentrates on it, while  $6\pi$  electrons remain in the ring which contains a great positive charge. These latter  $6\pi$  electrons form

Card 1/3

On the Aromatic Properties of Sydnones

SOV/79-29-8-60/81

the aromatic system. However, experimental data hitherto obtained do not suffice to confirm this assumption. In this connection the present investigations were carried out. The authors sulphurized a series of sydnones with dioxan-sulphotrioxide in a dichloro-ethane solution at 20-40°. The reaction took place with the 3-phenyl-, 3-(*p*-methoxyphenyl)-, 3-(*n*-ethoxyphenyl)-, 3-(*m*-chlorophenyl)-, and 3-ethylsydnone. The three latter compounds have hitherto been unknown. They were obtained by reaction of the corresponding *N*-nitroso- $\alpha$ -amino acids with the anhydride of acetic acid. The treatment of the reaction mass after sulphurization was the usual one. The sulphonic acids were separated out in the form of their barium salts from which the benzylthiuronium derivatives of the acids were prepared. The second reaction characteristic of aromatic compounds which was carried out here was the mercurization reaction. During the treatment of the aqueous-alcoholic solution of the 3-phenyl-sydnone with  $HgCl_2$  two compounds were separated: 4-chloro-(3-phenylsydnone)-mercury and di-4-(3-phenylsydnone)-mercury. During the mercurization of the 3-phenylsydnone with mercury acetate a considerable quantity of 4-acetatemercury-3-phenylsydnone was separated which was then transformed,

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the Aromatic Properties of Sydnone

SOV/79-29-8-60/81

with salt solution, into the chloromercurysydnone and its symmetric derivative. The easiness with which the hydrogen atom in the sydnone can be replaced by the sulpho group and mercury thus confirms the aromatic nature of these compounds. Another factor which indicates an aromatic character are the infrared absorption spectra of the sydnone. The presence of the spectral bands corresponding to the carbonyl group is therefore not in agreement with the structural formula of the sydnone hitherto assumed. There are 1 figure and 7 references, 1 of which is Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmacevticheskiy institut imeni S. Ordzhonikidze (All-Union Scientific Chemo-pharmaceutical Research Institute imeni S. Ordzhonikidze)

SUBMITTED: July 5, 1958

Card 3/3

5.3400

1700  
COV/DO-35-0-7-7-7/2

AUTHORS: Vasil'yeva, V. F., Yashunskiy, V. G., Shchekina,  
M. N.

TITLE: Letters to the Editor. Concerning the Reaction of  
Sydnone With Derivatives of  $\alpha$ ,  $\beta$ -Unsaturated  
Acids

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol 30, Nr 2,  
p 698 (USSR)

ABSTRACT: Sydnone on heating with nitriles and esters of  
 $\alpha$ ,  $\beta$ -unsaturated acids undergo cleavage and  
yield derivatives of pyrazoline and pyrrole,  
accompanied by evolution of the carbon dioxide.  
while the reaction of sydnone with unsaturated  
esters yields esters of substituted pyrrol-  
necarboxylic acids, the reaction of sydnone with  
nitriles yields only substituted pyrrole. In  
both cases, probably, the formation of esters or  
nitriles of substituted pyrrolonecarboxylic acids  
takes place. However, the cyano group in these

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Letters to the Editor. Concerning the  
Reaction of Sydnone With Derivatives  
of  $\alpha$ ,  $\beta$ -Unsaturated Acids

17.1.9  
SOC/10-30-2-71/7

compound is easily removed by heating; this  
causes the conversion of cyanoacrylates into  
corresponding pyrroles.



The addition of derivatives of unsaturated con-  
jugated acids to sydnone occurs in such a way  
that the  $\beta$ -carbon atom of ethylene bond is  
directed toward the carbon atom of sydnone,  
and  $\alpha$ -atom of the same bond, toward the un-  
substituted nitrogen atom. Heating 3-phenylsydnone  
with excess acrylonitrile yields 1-phenylpyrrole  
(yield 80%). The structure of the obtained com-  
pounds was confirmed by spectral analysis, as well  
as by comparison with literature data. There is 1  
German reference.

Card 2/3

Letters to the Editor. Concerning the  
Reaction of Sydnone With Derivatives  
of  $\alpha$ ,  $\beta$ -Unsaturated Acids

7792<sup>4</sup>  
SOV/79-30-2-75/18

ASSOCIATION: S. Ordzhonikidze All-Union Scientific Research Chemical  
and Pharmaceutical Institute (Vsesoyuznyy nauchno-  
issledovatel'skiy khimiko-farmatsevticheskiy institut  
imeni S. Ordzhonikidze)

SUBMITTED: October 26, 1959

Card 3/3

YASHURSKIY, V.G.; VASIL'YEVA, V.F.

Synthesis of 3-isopropyl- and 3-phenylisopropylsydrones and of the  
corresponding substituted hydrazines. Zhur. ob. khim. 30  
no.8:2754-2756 Ag '60. (MIRA 13:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut imeni S. Ordzhonikidze.  
(Sydrones) (Hydrazine)

VASIL'YEVA, V.F.; YASHUNSKIY, V.G.; SHCHUKINA, M.N.

Formation of substituted pyrazoles in the reaction of sydnone with  
 $\alpha, \beta$ -unsaturated nitriles. Zhur. ob. khim. 31 no. 5:1501-1504 My  
'61. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut imeni S. Ordzhonikidze.  
(Pyrazole) (Nitrile) (Sydnone)

YASHUNSKIY, V.G.; VASIL'YEVA, V.F.; SHCHUKINA, M.N.

Reactions of sydnone with unsaturated compounds. Zhur.cb.khim.  
32 no.9:3107 S '62. (MIRA 15:9)  
(Sydnone) (Unsaturated compounds)

VASIL'YEVA, V.F.; YASHUNSKIY, V.G.

Sydnones and sydnone imines. Part 13: Interaction of 3-methyl-  
and 3-ethylsydnone with methyl ester of acrylic acid. Zhur. ob. khim.  
32 no.9:2888-2893 S '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut imeni S. Ordzhonikidze.  
(Sydnone) (Acrylic acid)

YASHUNSKIY, V.G.; VASIL'YEVA, V.F.; KHOLODOV, L.Ye.; SHCHUKINA, M.N.

Sydnone and sydnone imines. Part 8: Polymethylene-bis-3-sydnone  
imines. Zhur. ob. khim. 32 no.1:192-195 Ja '62. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
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A-3

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R. T.

112-114 METALLURGICAL LITERATURE CLASSIFICATION

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